GOVERNMENT OF INDIA
COAL
LOK SABHA

UNSTARRED QUESTION NO:445
ANSWERED ON:25.02.2016
Production of Lignite Coal
Pathak Smt. Riti

Will the Minister of COAL be pleased to state:

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MINISTRY OF COAL

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Production of Lignite Coal

445. SHRIMATI RITI PATHAK:

Will the Minister of COALbe pleased to state:

(a) the grade, quantity and value oflignite coal produced from variousoperational mines in Neyveli LigniteCorporation Limited during the last threeyears and the current year, and its value ininternational market, year-wise;

(b) the total income earned during theabove period;

(c) the measures taken by theGovernment to produce more quantity ofhigh grade lignite coal from Neyveli coalmines;

(d) the total quantity and quality of coalsupplied to the thermal power stationsduring the said period together with itsperformance in generation of power; and

(e) the steps taken by the Governmentto provide adequate infrastructural logisticand technological facilities to NLC Limited?

ANSWER
MINISTER OF STATE (IC) IN THE MINISTRY OF COAL, POWER AND NEW & RENEWABLE ENERGY
(SHRI PIYUSH GOYAL)

(a) The lignite in the Neyveli Lignite Corporation Ltd.'s (NLC) mines is classified as G-15 to G-16 grade based on the calorific value of the fuel. The quantity and value of lignite produced from various operational lignite mines of during the last three years, year wise are as below:-

Unit 2015-16
(Up to Jan 2016) 2014-15 2013-14 2012-13
Lignite Production
(In Million Tonnes) Value of production
(Rs inCrs) Lignite Production (In Million Tonnes) Value of production
Rsin Crs) Lignite Production
(In Million Tonnes) Value of production
(Rsin Crs) Lignite Production (In Million Tonnes) Value of production
(Rs inCrs)
Mine-I 6.072 1475.69 9.055 2121.46 9.003 1353.78 7.960 1182.85
Mine-IA 1.773 464.21 2.915 559.72 3.001 547.51 2.940 506.14
Mine-II 9.381 2249.20 13.221 2431.06 13.052 2332.81 13.944 2406.50
Mine-Barsingsar 1.012 92.58 1.352 102.62 1.553 149.37 1.379 141.81
Total 18.238 4281.67 26.543 5214.86 26.609 4383.47 26.223 4237.30

(b) The total income earned during the last three years and current year by NLC is as below.
RsCrore
Particulars 2015-16
(Up to Dec 2015) 2014-15 2013-14 2012-13

Total Income 5229.62 6796.97 6991.99 6173.02

(c) NLC is implementing the following projects to augment its lignite production:-
i) Expansion of Mine-I (Area Expansion) & Expansion of Mine-IA from 3 MTPA to 7 MTPA, Neyveli, TN.
ii) Bithnok Lignite Mine(2.25 MTPA),Rajasthan
iii) Hadla Lignite Mines (1.9 MTPA), Barsingsar, Rajasthan.
iv) Barsingsar Mine Expn (0.40 MTPA),Rajasthan

(d) The total quantity of lignite (thermal grade quality) supplied to the thermal power stations during the last three years are as below.

Particulars of consumption in TPS (In MT) 2015-16
(Up to Jan 2016 Prov) 2014-15 2013-14 2012-13
TPS-I 3.848 5.331 5.930 5.873
TPS-I Exp 2.725 3.449 3.341 3.339
TPS-II 9.333 12.021 12.150 12.303
TPS-II Exp ** 0.916 0.346 0.047 0.044
TPS-Barsingsar 1.012 1.352 1.479 1.263
** Under Construction.
Performance in generation of power
Particulars of Generation of TPS (In MU) 2015-16
(Up to Jan 2016) 2014-15 2013-14 2012-13
Generation MU PLF % Generation MU PLF % Generation MU PLF % Generation MU PLF %
TPS-I 2547.76 57.82 3631.05 69.08 4058.14 77.21 4035.43 76.78
TPS-I Exp 2665.56 86.42 3385.03 92.00 3292.10 89.48 3319.77 90.23
TPS-II 8602.63 79.69 11131.33 86.44 11179.16 86.81 11238.09 87.27
TPS-II Exp ** 793.55 -- 199.57 - 21.01 - 28.20 -
TPS-Barsingsar 1066.99 58.11 1380.71 63.05 1438.24 65.67 1280.85 58.49
Wind Power** 22.69 - 1.44 - - - - -
Solar Power** 5.59 - - - - - - -
Total 15704.77 19729.13 19988.65 19902.34
** Under Construction / Stabilization
(e) NLC is mining lignite and operates pit head power generating stations. As on date NLC is operating three open cast Lignite mines at Neyveli with a production capacity of 28.5 Million Tonnes Per Annum. The company has provided for its operational requirements in all the three mines, continuous mining technology for the last five decades, sophisticated Specialised Mining Equipments (SMEs) viz. Bucket Wheel Excavators (BWE), Mobile Transfer Conveyors (MTC), system of Conveyors and Spreaders for excavation and transportation of lignite and overburden. Mechanized Conventional Mining Equipment technology comprising of Shovel & Dumper combination is used in Barsingsar lignite Mine, Rajasthan.
In addition to the above, the following measures have been implemented in the existing Mines of NLC as a part of modernization and to improve the productivity and safety .
i) Wireless based centralized monitoring operation and control system in one of the benches of Mine-IA.
ii) PLC based automation system for Mine-I Lignite bunker.
iii) Implementation of Variable Voltage Variable Frequency (VVVF) drives in Specialized Mining Equipments and Conveyors.
All the (SMEs) Specialised Mining Equipments and BWEs, conveyors, spreaders etc. procured for new mines viz., Mine-II expansion are incorporated with latest art of technology like VVVF, PLC enabling higher production & productivity.
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Answer

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